

Work Order ID 110873

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Item ID: D4004-7 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Hose Clip
 Start Date: 1/08/14 Start Qty: 4.00 ¹⁰
 Required Date: 1/08/14 Req'd Qty: 4.00 ~~*4*~~
 Reference: ~~*4*~~ Cust Item ID:
 Customer:

Approvals: Process Plan: MLJ Date: 14-01-09 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4004	B								

100

0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 22557
 Purchase part as per Dwg D4004
 Part #: 1722A42
 Possible Supplier: McMaster Carr
 Material release note required

0.00

CL 14/01/09 (10)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

Rec'd 1/13 (10)

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Item ID: D4004-7 Accept *N900040100* Setup Start *NS1*
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 Item Name: Hose Clip
 Start Date: 1/08/14 Start Qty: 4.00 *4* Cust Item ID:
 Required Date: 1/08/14 Req'd Qty: 4.00 *4* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120	QC6- Inspect dimensions to drawing	0.00				10			
120									
QC	Memo	0.00							
Quality Control									

130	Identify as per dwg & Stock Location: 81243	0.00				10x		14-1-13	
130									
Packaging	Memo	0.00							
Packaging									

140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

14-01-14
 14-02-13

DAS
 26
 9-89

Picklist Print

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Work Order ID: 110873

Parent Item: D4004-7

Start Date: 1/08/14

Required Date: 1/08/14

Parent Item Name: Hose Clip

Start Qty: 4.00

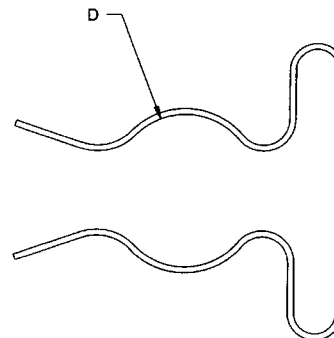
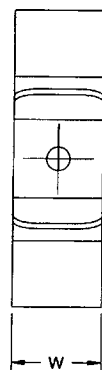
Required Qty: 4.00

Comments: IPP rev A 10.02.02 new issue Prelim EC verified by:DD IPP Rev:B 10.05.17 as per ECN10-562 DD verf:EC IPP Rev:C 12.03.07 as per dwg rev.b DD verf: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
1722A42 Holder		Purchased	No			100	Each	0.0000	1			1/10/13	

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4004-7	N3 REF JCA-M47-2-19

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	FITS TUBE Ø "D"	WIDTH "W"
D4004-7	MCMaster-CARR	1722A42	NICKEL PLATED STEEL	0.31 - 0.75	0.38

D4004-X HOSE CLIP

110873 mcs
14-01-05

RELEASED
2012-03-01

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.01 lbs

DESIGN	<i>BC</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>BC</i>		
CHECKED	<i>BC</i>	DRAWING NO. D4004	REV. B
MFG. APPR.	<i>E</i>	TITLE SIDE RESTRAINT	SHEET 8 OF 11
APPROVED	<i>140</i>		SCALE
DE APPR.	<i>140</i>		NTS
DATE	12.02.27	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Design											
Doc/Data											
Equip/Tooling											
Handling/Pre											
Material											
Operator											
Offset/Setup											
Process											
Supplier											
Training											
Transport											
Unapproved											

FAULT CATEGORY			
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO22557**

Purchase Order Date 1/9/2014

PO Print Date 1/9/2014

Page Number 1 of 2

Order From :
MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
Q1/16/14

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 10
Ship To Phone		Currency	USD
Ship Via:	FedEx PI collect	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	9273K43 2 roll of 50 ft	Velcro Hook & Loop Color: Black	1/10/2014 Yes 1/10/2014		100.00 Each	\$2.04	\$204.28
Line Total:							\$204.28
2	92311A599 AS PER DWG D2712 REV. B B110809	SET SCREW	1/10/2014 Yes 1/10/2014		150.00 Each	\$0.22	\$32.40
Line Total:							\$32.40
3	1722A42 AS PER DWG D4004 REV. B B110873	Holder	1/10/2014 Yes 1/10/2014		10.00 Each	\$0.76	\$7.60

Note:

1/9/2014



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Sylvain

Purchase Order
PO22557

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Order Placed By
Chantal Lavoie

01/09/2014

McMaster-Carr Number
6369422-02

Line	Description	Ordered	Shipped
1	9273K43 General Purpose Nylon Hook and Loop, 2" Width X 50' Length, Adhesive Back, Black, Lengths of 50	2 Lengths	2
	Unit Price:	\$102.14	
	Extended Price:	\$204.28	
2	92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50	3 Packs	3
	Unit Price:	\$10.80	
	Extended Price:	\$32.40	
3	1722A42 Tool Holder, Nickel-Plated Steel, for 5/16" - 3/4" Tool Diameter, Packs of 10	1 Pack	1
	Unit Price:	\$7.60	
	Extended Price:	\$7.60	
4	97787A661 Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length	10 Each	10
	Unit Price:	\$114.68	
	Extended Price:	\$1,146.80	

LNS A81			
1 - 457 - 06	22 - 61	K433	2 LG 1
2 - 696			2
1 - 687			3
3 - 327			4

Shipped separately from our Chicago warehouse on 01/09

Dart Aerospace Ltd

**EXP
INV
NAFTA**



8 lbs
4 lines

Me

12x12x12

FW1WBP10
01/09/2014
12:33/12:57
262
Cycle 43

1140982118653

